



1855 Lakeland Drive
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CISSP: Certified Information Systems Security Professional

Course Duration: 5 days

Overview:

This course prepares student to pass the premier security certification, the Certified Information Systems Security Professional (CISSP®).

Related Courses:

- Certified Ethical Hacker (CEH)
- Tactical Perimeter Defense
- Strategic Infrastructure Security

Outline:

• Lesson 1 - Information Security and Risk Management

- Information Security Management
- Security Awareness Training and Education
- Risk Management
- Ethics

• Lesson 2 - Access Control

- Definitions and Key Concepts
- Information Classification
- Access Control Categories and Types
- Access Control Threats
- Access to Systems/Data
- Access Control Technologies
- Assurance Mechanisms

• Lesson 3 - Cryptography

- Key Concepts and Definitions
- History
- Encryption Systems
- Symmetric and Asymmetric Algorithms
- Message Integrity Controls
- Digital Signatures
- Management of Cryptographic Systems
- Threats and Attacks

• Lesson 4 - Physical Security

- Definitions and Key Concepts



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- Site Location
- Layered Defense Model
- Infrastructure Support Systems
- Equipment Protection

•**Lesson 5 - Security Architecture and Design**

- Components and Principles
- System Security Techniques
- Hardware
- Software
- Security Models and Architecture Theory
- Security Evaluation Methods and Criteria

•**Lesson 6 - Business Continuity Planning and Disaster Recovery Planning**

- Project Scope Development and Planning
- Business Impact Analysis
- Emergency Assessment
- Continuity and Recovery Strategy
- Plan Design and Development
- Implementation
- Restoration
- Plan Management

•**Lesson 7 - Telecommunications and Network Security**

- Key Concepts and Definitions
- Networks
- Protocols
- Remote Access
- Network Components
- Telephony

•**Lesson 8 - Application Security**

- System Lifecycle Security
- Application Environment and Security Controls
- Programming Languages and Tools
- Databases and Data Warehouses
- Applications Systems Threats and Vulnerabilities
- Applications Security Controls

•**Lesson 9 - Operations Security**

- Resource Protection
- Change Control Management
- Physical Security Controls
- Privileged Entity Control



•**Lesson 10 - Legal, Regulations, Compliance and Investigation**

- Major Legal Systems
- Legal Concepts
- Regulatory Issues
- Investigation
- Computer Forensics

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